
Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2008; month=4; day=24; hr=15; min=8; sec=10; ms=375;]

Validated By CRFValidator v 1.0.3

Application No: 10091912 Version No: 2.0

Input Set:

Output Set:

Started: 2008-04-10 13:23:10.310

Finished: 2008-04-10 13:23:10.400

Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 90 ms

Total Warnings: 0

Total Errors: 0

No. of SeqIDs Defined: 3

Actual SeqID Count: 3

SEQUENCE LISTING

```
<110> Bott, Richard R.
      Kellis, James T.
      Morrison, Thomas B.
<120> High Throughput Mutagenesis Screening
 Method
<130> GC724
<140> 10091912
<141> 2002-03-05
<160> 3
<170> FastSEO for Windows Version 4.0
<210> 1
<211> 818
<212> DNA
<213> Pseudomonas mendocina
<400> 1
tggcggcctc ttgcctgtcc gtctgtgcca ctgtcgcggc ggctcccctg ccggatacac
                                                                        60
                                                                       120
cgggagcgcc atttccggct gtcgccaatt tcgaccgcag tggcccctac accaccagca
gccagagcga ggggccgagc tgtcgcatct atcggccccg cgacctgggt caggggggcg
                                                                       180
tgcgtcatcc ggtgattctc tggggcaatg gcaccggtgc cgggccgtcc acctatgccg
                                                                       240
gettgetate geactgggea agecaeggtt tegtggtgge ggeggeggaa acetecaatg
                                                                       300
ccggtaccgg gcgggaaatg ctcgcctgcc tggactatct ggtacgtgag aacgacaccc
                                                                       360
                                                                       420
cctacggcac ctattccggc aagctcaata ccgggcgagt cggcacttct gggcattccc
                                                                       480
agggtggtgg cggctcgatc atggccgggc aggatacgag ggtgcgtacc acggcgccga
tecageeeta eaceetegge etggggeaeg acagegeete geageggegg eageagggge
                                                                       540
                                                                       600
cgatgttcct gatgtccggt ggcggtgaca ccatcgcctt tccctacctc aacgctcagc
cggtctaccg gcgtgccaat gtgccggtgt tctggggcga acggcgttac gtcagccact
                                                                       660
tcgagccggt cggtagcggt ggggcctatc gcggcccgag cacggcatgg ttccgcttcc
                                                                       720
agctgatgga tgaccaagac gcccgcgcta ccttctacgg cgcgcagtgc agtctgtgca
                                                                       780
ccagcctgct gtggtcggtc gagcgccgcg ggctttaa
                                                                       818
<210> 2
<211> 272
<212> PRT
<213> Pseudomonas mendocina
<400> 2
Met Ala Ala Ser Cys Leu Ser Val Cys Ala Thr Val Ala Ala Ala Pro
                 5
                                    1.0
Leu Pro Asp Thr Pro Gly Ala Pro Phe Pro Ala Val Ala Asn Phe Asp
                                25
Arg Ser Gly Pro Tyr Thr Thr Ser Ser Gln Ser Glu Gly Pro Ser Cys
        35
                            40
                                                 45
Arg Ile Tyr Arg Pro Arg Asp Leu Gly Gln Gly Gly Val Arg His Pro
                        55
Val Ile Leu Trp Gly Asn Gly Thr Gly Ala Gly Pro Ser Thr Tyr Ala
```

75

80

65

70

Gly Leu Leu Ser His Trp Ala Ser His Gly Phe Val Val Ala Ala Ala 90 Glu Thr Ser Asn Ala Gly Thr Gly Arg Glu Met Leu Ala Cys Leu Asp 105 Tyr Leu Val Arg Glu Asn Asp Thr Pro Tyr Gly Thr Tyr Ser Gly Lys 120 Leu Asn Thr Gly Arg Val Gly Thr Ser Gly His Ser Gln Gly Gly Gly 135 140 Gly Ser Ile Met Ala Gly Gln Asp Thr Arg Val Arg Thr Thr Ala Pro 155 150 Ile Gln Pro Tyr Thr Leu Gly Leu Gly His Asp Ser Ala Ser Gln Arg 165 170 Arg Gln Gln Gly Pro Met Phe Leu Met Ser Gly Gly Gly Asp Thr Ile 185 Ala Phe Pro Tyr Leu Asn Ala Gln Pro Val Tyr Arg Arg Ala Asn Val 200 Pro Val Phe Trp Gly Glu Arg Arg Tyr Val Ser His Phe Glu Pro Val 215 Gly Ser Gly Gly Ala Tyr Arg Gly Pro Ser Thr Ala Trp Phe Arg Phe 230 235 Gln Leu Met Asp Asp Gln Asp Ala Arg Ala Thr Phe Tyr Gly Ala Gln 245 250 Cys Ser Leu Cys Thr Ser Leu Leu Trp Ser Val Glu Arg Arg Gly Leu 265 260

<210> 3

<211> 258

<212> PRT

<213> Pseudomonas mendocina

<400> 3

Ala Pro Leu Pro Asp Thr Pro Gly Ala Pro Phe Pro Ala Val Ala Asn 1.0 Phe Asp Arg Ser Gly Pro Tyr Thr Thr Ser Ser Gln Ser Glu Gly Pro 25 Ser Cys Arg Ile Tyr Arg Pro Arg Asp Leu Gly Gln Gly Val Arg 40 His Pro Val Ile Leu Trp Gly Asn Gly Thr Gly Ala Gly Pro Ser Thr 55 Tyr Ala Gly Leu Leu Ser His Trp Ala Ser His Gly Phe Val Val Ala Ala Ala Glu Thr Ser Asn Ala Gly Thr Gly Arg Glu Met Leu Ala Cys 85 90 Leu Asp Tyr Leu Val Arg Glu Asn Asp Thr Pro Tyr Gly Thr Tyr Ser 105 Gly Lys Leu Asn Thr Gly Arg Val Gly Thr Ser Gly His Ser Gln Gly 120 Gly Gly Ser Ile Met Ala Gly Gln Asp Thr Arg Val Arg Thr Thr 135 140 Ala Pro Ile Gln Pro Tyr Thr Leu Gly Leu Gly His Asp Ser Ala Ser 155 150 Gln Arg Arg Gln Gln Gly Pro Met Phe Leu Met Ser Gly Gly Asp 170 Thr Ile Ala Phe Pro Tyr Leu Asn Ala Gln Pro Val Tyr Arg Arg Ala 185 180 Asn Val Pro Val Phe Trp Gly Glu Arg Arg Tyr Val Ser His Phe Glu 195 200